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## PATENT ABSTRACTS OF JAPAN

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YAMADA ETSUSHI**(54) **PARKING DEVICE FOR AUTOMATIC TRANSMISSION**

on.

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## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a parking device for an automatic transmission capable of manually locking/unlocking the output shaft of the automatic transmission even when a battery runs out or an electromagnetic driving means is in failure.

**SOLUTION:** An operation lever 10 as a lever manually operated by a driver is pulled to a driving direction as shown by an arrowmark to move a rack 13 together with a first rod 11. When the operation lever is set apart, it is reset to an initial position with the energizing force of a spring 15. When the rack 13 is moved to the driving direction of the operation lever 10, a cam 21 is rotated together with a pinion 20 in a clock wise direction. When a second rod 22 is reciprocatingly moved with the rotation of the cam 21, a parking pole 30 is rotationally moved to lock or unlock a parking gear 35 rotated together with the output shaft of an automatic transmission, so that the output shaft of the automatic transmission may be manually locked/unlocked. The first rod 11 can be moved even by electrifying a solenoid 40

